QC ABSTRACT

AME OF WORK: Construction of Anganvadi Building at JP Colony in Ward No. 02

SL NO	Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
		Materials				
1	Cement	Fineness by dry sieving	One Test		1	1
		Finess by Air permeablity method	One Test		1	1
		Density	One Test		1	1
		Standard Consistency	One Test		1	1
		Initial Setting time	One Test		1	1
		Final Setting time	One Test		1	1
		Soundness (Le Chatelier's Method)	One Test		1	1
		Compressive Strength	One Test		1	1
2	Coarse aggregate(40 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
3	Coarse aggregate(20 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
		Aggregate crushing Value	One Test		1	1
		Aggregate Impact Value	One Test		1	1
4	Fine aggregate	SIEVE ANALYSIS	One Test		1	1
		Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
5	Steel	Bend test	One Test		1	1
		Tensile Test	One Test		1	1
		Yield Test	One Test		1	1
		ReBend test	One Test		1	1
6	Block(400*200*200)	BLOCK DENSITY	One Test		1	1
		WATER ABSORPTION	One Test		1	1
		DIMENSION ANALYSIS	One Test		1	1
		COMPRESSIVE STRENGTH	One Test		1	1
7	Block(400*150*200)	BLOCK DENSITY	One Test		1	1
		WATER ABSORPTION	One Test		1	1
		DIMENSION ANALYSIS	One Test		1	1
		COMPRESSIVE STRENGTH	One Test		1	1
8	Block(400*100*200)	BLOCK DENSITY	One Test		1	1
		WATER ABSORPTION	One Test		1	1
		DIMENSION ANALYSIS	One Test		1	1
		COMPRESSIVE STRENGTH	One Test		1	1

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Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2024-08-30-18** **Date: 08-04-24**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Anganvadi Building at JP Colony in Ward No. 02
Agency	:	Sri. Raghunatha B P, No.47, 2nd Main, Muneshwara Layout, Bangalore-560058
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-12/W.O/30/2023-24
Source of Sample	:	Sample supplied by Agency
Sample condition	:	Satisfactory
Date of Receipt	:	05-04-24
Sample Type	:	40mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2021 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	05-04-24

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : 15000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	318	318	2.1	97.9	90-100
3	20 mm	7440	7758	51.7	48.3	30-70
4	10 mm	5140	12898	86.0	14.0	10-35
5	4.75 mm	1720	14618	97.5	2.5	0-5
6	Pan	382	15000	100.0	0	---

A.E.E.

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TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Lab ID : CP-2024-08-30-18

Date: 07/05/2024

Customer : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.

Address : Yelahanka Sub Division, BBMP, Bangalore.

Project Name : Construction of Anganvadi Building at JP Colony in Ward No. 02

Agency : Sri. Raghunatha B P. No.47, 2nd Main, Muneshwara Layout, Bangalore-560058

Customer's Reference : BBMP/EE/YNK.D/EPMT-12/W.O/30/2023-24

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 02-05-24

Customer ID : Column upto Plinth Beam Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 07/05/2024

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Column upto Plinth Beam Concrete	M25	30/04/2024	07/05/2024	150.42 X 150.01 X 150.93	22565	8.129	399.8	17.7	17.8
2	Column upto Plinth Beam Concrete	M25	30/04/2024	07/05/2024	150.71 X 150.92 X 150.64	22745	8.480	400.8	17.6	
3	Column upto Plinth Beam Concrete	M25	30/04/2024	07/05/2024	150.68 X 150.10 X 150.27	22616	8.536	409.1	18.1	

* The results obtained are satisfactory as per standard requirements.

Note:
The results pertain to the samples received and tested.
All information furnished by Agency/Representative
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Samples will be disposed after 30 days from the date of issue of test certificate

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R RUDRAPRASAD
Authorized Signatory
Technical Manager

****End of Report****

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TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Date: 30/05/2024

Lab ID : CP-2024-08-30-18
Customer : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address : Yelahanka Sub Division, BBMP, Bangalore.
Project Name : Construction of Anganvadi Building at JP Colony in Ward No. 02
Agency : Sri. Raghunatha B P, No.47, 2nd Main, Muneshwara Layout, Bangalore-560058
Customer's Reference : BBMP/EE/YNK.D/EPMT-12/W.O/30/2023-24
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 25-05-24
Customer ID : G.F Lintel Concrete
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M25 / 7 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test : 30/05/2024

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	G.F Lintel Concrete	M25	23/05/2024	30/05/2024	150.66 X 150.39 X 150.96	22657	8.394	410.8	18.1	18.3
2	G.F Lintel Concrete	M25	23/05/2024	30/05/2024	150.35 X 150.67 X 150.94	22652	8.983	416.4	18.4	
3	G.F Lintel Concrete	M25	23/05/2024	30/05/2024	150.36 X 150.03 X 150.72	22558	8.895	413.1	18.3	

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